

Green Belt Training 'Getting Simpler'

Simpler Consultants Offer Green Belt Training to RIA-JMTC Employees.

Written by Cole Kraft

Simpler is our Lean 6-Sigma Consultant. They teach the Lean 6-Sigma tools to RIA-JMTC. Before now, we utilized a different company to instruct our Green Belt training. This resulted in training not being geared toward RIA-JMTC and the level that we are in our lean journey.

The current class roster includes Lean Core Team members (permanent and detailed) along with two others from QA and PD who see this as an opportunity to improve our business. The Green Belt training is broken down into two sessions. The first was held March 19th thru the 23rd. We focused on what makes a good Green Belt Projects and how to collect and analyze Data to help drive the Projects. We also went over how to apply various Lean Tools like One Piece Flow, Pull System, KanBan, and Gage R&R. The second session was April 16th thru the 20th. The focus of this session was Standard Work, 6-S, and Cause and Effect Matrix. At the end of the class all 13 members took a test and have a Green Belt Project that they will be working on with teams they put together.

Green belt training is an important tool in our Lean transformation and will prepare RIA-JMTC's Lean Facilitators be more effective in their jobs. It will also help those who don't work with Lean everyday see the benefits that the principals of Lean try to teach.

Everyone who attended this new session of Green Belt Training is well prepared to address



Photograph by Randl Besse

RIA-JMTC Employees who received Green Belt Training are from Left, Bottom Row: Lorri McArthur, Cole Kraft, Casey DeSmet, Luis Gaeta, Back Row: Chris Largent, Rob Chitwood, Darin O'Brien, Chris Johnson, Jude Stork Not Pictured: Gerald Gomez, Charles Denny, Cary Mirocha, John Krapp and instructors Mark Congdon and Bill Bryant.

several of RIA-JMTC's biggest problems and properly analyze and develop a corrective action, thus improving our capability to compete in the manufacturing world.

FMEA: Failure Mode and Effects Analysis, is a method (first developed for systems engineering) that examines potential failures in products or processes. It may be used to evaluate risk management priorities for mitigating known threat-vulnerabilities. The basic process is to take a description of the parts of a system, and list the consequences if each part fails.

Kanbans: "kan" means visual, and "ban" means card or board, is a concept related to Lean. Kanban is a signaling system. As its name suggests, Kanban historically uses cards to signal the need for an item. Kanban is frequently known as a "pull" system, as everything is pulled from the previous production stage in response to actual demand.

SMED: Single Minute Exchange of Die: is one of the many lean production methods for reducing waste in a manufacturing process. It provides a rapid and efficient way of converting a manufacturing process from running the current product to running the next product. It is also often referred to as Quick Changeover (QCO). It is a concept that says all changeovers (and startups) can and should take less than 10 minutes ... hence the phrase Single Minute.

TPM: Total Productive Maintenance: Techniques to improve equipment reliability by reducing the frequency of breakdowns and failures.

STAFF

Current Events (April)

Assuring Quality of Test/Calib. Results - Project
RIA-JMTC Appraisal/Award Process - RIE
Orion Work Area - 6s
SEM Training Requirements - RIE
AMSTA-RI-RM Training Plan - RIE
Controlling Data for Estimates - RIE
Machine Group Data Correction - Project
Define Roles and Responsibilities of MS - RIE
Electronic Document Storage - RIE
Standard Work for PD Admin - RIE
Orion 2nd Pass N21 to N19 - 6s
Standard Work/Supermarkets - RIE
Purchasing Service and Supplies - RIE
Establishing CIP Work Procedures - RIE

Future Events (May)

Inventory Accountability of Reset Trailers - RIE
FRS Enclosure Weld Balance
Preventive Action Per ISO17025

Lean Department Conducts Spring Cleaning

Lean Team Reorganizes Office to Improve Communication & Flow.

Written by Cole Kraft

During the week of March 5-9, the Lean Office conducted a 6-S and Office Reorganization Event. The team consisted of 5 members. The goals of the event were to clean, organize, create an open environment, and increase communication and production in the Lean Office and also to make room for more people in the office by using the same or less floor space.

The team prepared by asking all of the Lean Team for input of how the new floor layout should look and gave them a chance to draw up a floor plan for all to review. They also went to an empty office to do a mock layout of the floor plan they thought would work best.

On the week of the event the team worked hard with the furniture contractors to move out

all of the old furniture and move in and arrange the new (used) furniture and the equipment that they deemed necessary to stay. They consolidated the supply cabinets down to just one and clearly labeled all of the items in the cabinet and set min / max levels to trigger reordering. They also centrally located all of the supplies, the printer, and the laminators to limit the travel distance to them. By reorganizing the floor layout they made room for 5 more people using 550 sq. ft. less floor space. They also co-located the IPT teams to help increase team work and facilitate communication.

All in all the Lean Team is happy with the new office layout. We all think it makes our jobs easier and it made room for all the new people that will be joining us throughout the year. Stop by and check it out if you get a chance, maybe you'll like it and encourage your supervisor to get the ball rolling on your Office Reorganization.



Photograph by Randl Besse

In their new more functional workplaces, which are broken into IPT teams to increase communication between team members; are from left: Cole Kraft, Wayne Mills & Gerald Gomez.

RIA-JMTC Receives Site Visit from Shingo



Written by Wayne Mills

After much work was put into developing an application to challenge for the Shingo Prize the RIA-JMTC will receive a site visit in May on the two

production lines which were applied. The SECM (Shop Equipment Contact Maintenance) and the FRS (Forward Repair System), both mobile maintenance systems, are the RIA-JMTCs most impressive example of our Lean transformation.

As the process goes, there are many points that must be achieved before you can receive a site visit, meaning we have completed the first step in the process. The RIA-JMTC must now get ready to undertake an extensive on site examination from Shingo.



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